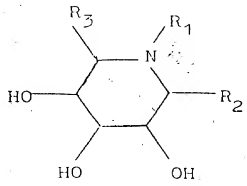
Claims 24, 25, 27, 29, 34-36 and 38 after each of the claim numbers, delete "(Amended)" and substitute therefor --(Twice Amended)--.

Claim 39, line 2, delete "47" and insert therefor --18--.

Claim 47 (Twice Amended) A compound of the formula



I

in which

R_1 is C_5-C_{30} alkyl, C_2-C_{18} alkenyl, C_2-C_{18} alkinyl, C_3-C_8 cycloalkyl, C_3-C_8 cycloalkenyl, C_3-C_8-cycloalkinyl, phenyl (a), C_1-C_2 and C_7-C_{30} alkyl substituted by phenyl or substituted C_1-C_4-alkyl [(a),]

said C_5-C_{30} alkyl, cycloalkyl, cycloalkenyl and cycloalkinyl being

unsubstituted or substituted by hydroxy, C_1-C_4-alkoxy, acyloxy, amino, mono- C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, acylamino, mercapto, C_1-C_4 alkylthio, halogen, C_1-C_4 alkylcarbonyl, carboxyl nitro, cyano, formyl, sulfo, a heterocyclic radical derived from a hexose or pentose, attached to the alkyl moiety directly via a

ring atom or via an -O-, -S- or -NH-bridge or naphthyl [or phenyl]

(b); said acyl being derived from an aliphatic carboxylic acid having from 1 to 7 C-atoms, a phenyl carboxylic acid, unsubstituted or substituted by carboxy, hydroxy, halogen, C_1 to C_4 alkyl, C_1 to C_4 alkoxy, nitro or amino, or a 5- or 6-membered heterocyclic carboxylic acid containing from 1 to 3 hetero-atoms each of which is N, O or S, unsubstituted or substituted by C_1 to C_4 alkyl, chlorine, bromine or amino;

said phenyl (a) being unsubstituted or substituted by C_1 to C_{10} alkyl, C_1 to C_{10} chloroalkyl, C_1 to C_{10} nitroalkyl, C_1 to C_{10} cyanoalkyl, C_1 to C_{10} alkenyl, hydroxyl, C_1 to C_4 alkoxy, amino, mono-C_1 to C_4 alkylamino, di-C_1-C_4 alkylamino, mercapto, C_1-C_4 alkylthio, carboxyl, C_1-C_4 carbalkoxy, sulfo, C_1-C_4 alkylsulfonyl, phenylsulfonyl, aminosulfonyl, C_1-C_4 alkylaminosulfonyl, di-C_1-C_4 alkylaminosulfonyl, nitro, cyano, formyl, C_1-C_4 alkylcarbonylamino, C_1-C_4 alkylcarbonyl, benzoyl, benzylcarbonyl or

phenylethylcarbonyl;

said substituted C_1-C_4 alkyl being substituted by hydroxy, C_1-C_4-alkoxy, acyloxy, amino, mono- C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, acylamino, mercapto, C_1-C_4 alkylthio, halogen, C_1-C_4 alkylcarbonyl, carboxyl nitro, cyano, formyl, sulfo, a heterocyclic radical derived from a hexose or pentose, attached to the alkyl moiety directly via a

ring atom or via an -O-, -S- or -NH-bridge or naphthyl [or phenyl]

~~(b)~~, said acyl being derived from an aliphatic carboxylic acid having from 1 to 7 C-atoms, a phenyl carboxylic acid, unsubstituted or substituted by carboxy, hydroxy, halogen, C_1 to C_4 alkyl, C_1 to C_4 alkoxy, nitro or amino, or a 5- or 6-membered aromatic heterocyclic carboxylic acid containing from 1 to 3 hetero-atoms each of which is N, O or S, unsubstituted or substituted by C_1 to C_4 alkyl, chlorine, bromine or amino;

said phenyl (a) being unsubstituted or substituted by C_1 to C_{10} alkyl, C_1 to C_{10} chloroalkyl, C_1 to C_{10} nitroalkyl, C_1 to C_{10} cyanoalkyl, C_1 to C_{10} alkenyl, hydroxyl, C_1 to C_4 alkoxy, amino, mono-C_1 to C_4 alkylamino, di-C_1-C_4 alkylamino, mercapto, C_1-C_4 alkylthio, carboxyl, C_1-C_4 carbalkoxy, sulfo, C_1-C_4 alkylsulfonyl, phenylsulfonyl, aminosulfonyl, C_1-C_4 alkylaminosulfonyl, di-C_1-C_4 alkylaminosulfonyl, nitro, cyano, formyl, C_1-C_4 alkylcarbonyl-amino, C_1-C_4 alkylcarbonyl, benzoyl, benzylcarbonyl or ~~phenylethylcarbonyl~~, said naphthyl [and naphthyl] and phenyl (b) being unsubstituted or substituted by hydroxyl, amino, C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, C_1-C_4 alkoxy, nitro, cyano, carboxy, C_1-C_4 alkoxycarbonyl, C_1-C_6 alkyl, halogen, C_1-C_4 alkylthio, mercapto, C_1-C_4 alkylsulfonyl, [sulfur] sulfo, aminosulfonyl or C_1-C_4 alkylaminosulfonyl

R_2 is -H, -OH, $-SO_3H$, -CN, $-CH_2NH_2$, $-CH_2NH-$ (C_1 to C_{14}-alkyl),

$-CH_2NH-\overset{\overset{O}{\|}}{C}-$ (C_1 to C_{14}-alkyl), $-CH_2-NH-SO_2-$ (C_1 to C_{14})alkyl,

$-CH_2-NH-SO_2$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}-NH-$ (C_1 to C_{14}-

alkyl), $-CH_2-NH-\underset{\underset{O}{\|}}{C}-NH$-phenyl, [$-CH_2-NH-\underset{\underset{O}{\|}}{C}-NH$[[]($C_1$ to C_{14}-alkyl[]]

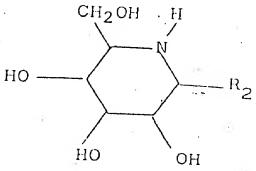
$-CH_2-NH-\underset{\underset{S}{\|}}{C}-NH(C_1$ to C_{14}-alkyl) ,

$-CH_2-NH-\underset{\underset{S}{\|}}{C}-NH$-phenyl, $-CH_2-NH-\underset{\underset{O}{\|}}{C}-O$—($C_1$ to C_{14}-alkyl) or

$-CH_2-NH-\underset{\underset{O}{\|}}{C}-O$-phenyl wherein phenyl is unsubstituted or substituted by methyl, ethyl, methoxy, [ethyl, methoxy,] chlorine, bromine or nitro,

R_3 is -H, $-CH_3$, $-CH_2OH$, $-CH_2-NH_2$, NHR'-CH_2-, NR'R''-CH_2-, [R'CONH-CH_2-] R'CONH-CH_2-, R'CO-NR''CH_2-, R'O-CH_2, R'COOCH$_2$-, R'SO_2NHCH$_2$-, R'SO_2-NR''CH_2-, R'NH-CO-NH-CH_2-, R'NHCS-NH-CH_2-, R'O-CO-NH-CH_2-, wherein R' and R'' are the same or different and each has the meaning hydrogen or ~~any of the meanings given above for R~~.

Claim ~~48~~ 2 (Twice Amended) A compound of the formula



wherein

R_2 is [-CH] -CN, $-CH_2NH_2$, [$-CH_2NH-(C_1$ to C_{14}-[]])] $-CH_2-NH-(C_1$ to C_{14}-alkyl),

$R_{3-14-86}$ $-CH_2NH-\overset{\overset{O}{\|}}{C}-(C_1$ to C_{14}-alkyl), $-CH_2-NH-SO_2-(C_1$ to C_{14})-alkyl,

Cont 18

$R_{3-14-86}$ $-CH_2-NH-SO_2$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}-NH-(C_1$ to C_{14}-

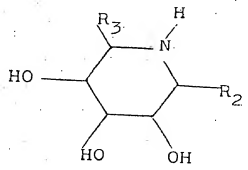
$R_{3-24-86}$ alkyl), $-CH_2-NH-\overset{\overset{O}{\|}}{C}-NH$-phenyl, [$-CH_2-NH-\overset{\overset{O}{\|}}{C}-NH$ (C_1 to C_{14}-alkyl)], ~~$-CH_2-$~~

$R_{3-24-86}$ $CH_2-NH-\overset{\overset{S}{\|}}{C}-NH(C_1$ to C_{14} alkyl),

$R_{3-24-86}$ $-CH_2-NH-\overset{\overset{S}{\|}}{C}-NH$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}-O-(C_1$ to C_{14}-alkyl) or $-CH_2-NH-\overset{\overset{O}{\|}}{C}-O$-phenyl

wherein phenyl is unsubstituted or substituted by methyl, ethyl, methoxy, chlorine, bromine, or nitro.

Claim ~~49~~ 3 (Twice Amended) A compound of the formula



wherein

R_2 is H, $-SO_3H$, -CN, $-CH_2NH_2$, $-CH_2NH-$ (C_1 to C_{14}-alkyl),

$-CH_2NH-\overset{\overset{O}{\|}}{C}-$ (C_1 to C_{14}-alkyl '), $-CH_2-NH-SO_2-$ (C_1 to C_{14})-alkyl

$CH_2-NH-SO_2$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}-NH-$ (C_1 to C_{14}-

alkyl), $-CH_2-NH-\overset{\overset{O}{\|}}{C}-NH$-phenyl, $-CH_2-NH-\overset{\overset{S}{\|}}{C}-NH-$ (C_1 to C_{14}-alkyl), ~~$-CH_2-$~~

$-CH_2-NH-\overset{\overset{S}{\|}}{C}-NH$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}-O-$ (C_1 to C_{14}-alkyl) or $-CH_2-NH-\overset{\overset{O}{\|}}{C}-O$-phenyl

wherein phenyl is unsubstituted or substituted by methyl, ~~ethyl, methoxy~~, ethyl, methoxy, chlorine, bromine or nitro and R_3 is

CH_2-NH_2, $-CH_2-NHR'$, $-CH_2-NR'R''-$, $-CH_2-NHCOR'$, $-CH_2-NR''-COR'$,

$-CH_2OR'$, $-CH_2-OCOR'$, $-CH_2-NHSO_2R'$, $-CH_2-NR''-SO_2R'$, $-CH_2-NHCONH_2$,

$-CH_2-NHCONHR'$, $-CH_2-NHCSNH_2$, $-CH_2-NHCSNHR'$, $-CH_2-NH-COOR'$

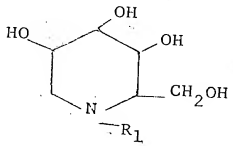
wherein R' and R'' are the same or different and each is C_1-C_{30} alkyl, C_2-C_{18} alkenyl, C_2-C_{18} alkinyl, C_3-C_8 cycloalkyl, C_3-C_8 cycloalkenyl, C_3-C_8-cycloalkinyl or phenyl (a), said alkyl, cycloalkyl, cycloalkenyl and cycloalkinyl being unsubstituted or substituted by hydroxy, C_1-C_4-alkoxy, acyloxy, amino, mono-C_1-C_4alkylamino, di-C_1-C_4 alkylamino, acylamino, mercapto, C_1-C_4 alkylthio, halogen, C_1-C_4 alkylcarbonyl, carboxyl, nitro, cyano, formyl, sulfo, a heterocyclic radical derived from a hexose or pentose, attached to the alkyl moiety directly via a ring atom or via an -O-, -S- or -NH-bridge, naphthyl or phenyl (b) said acyl being derived from an aliphatic carboxylic acid having from 1 to 7 C-atoms, a phenyl ~~carboxylic~~ carboxylic acid, unsubstituted or substituted by carboxy,

hydroxy, halogen, C_1 to C_4 alkyl, C_1 to C_4 alkoxy, nitro or amino, or a 5- or 6-membered aromatic heterocyclic carboxylic acid containing from 1 to 3 hetero-atoms each of which is N, O or S, unsubstituted or substituted by C_1 to C_4 alkyl, chlorine, bromine or amino;

said phenyl (a) being unsubstituted or substituted by C_1 to C_{10} alkyl, C_1 to C_{10} chloroalkyl, C_1 to C_{10} nitroalkyl, C_1 to C_{10} cyanoalkyl, C_1 to C_{10} alkenyl, hydroxyl, C_1 to C_4 alkoxy, amino, mono-C_1 to C_4 alkylamino, di-C_1-C_4alkylamino, mercapto, C_1-C_4alkylthio, carboxyl, C_1-C_4-carbalkoxy, sulfo, C_1-C_4alkylsulfonyl, phenylsulfonyl, aminosulfonyl, C_1-C_4 alkylaminosulfonyl, di-C_1-C_4alkylaminosulfonyl, nitro, cyano, formyl, C_1-C_4 alkylcarbonylamino, C_1-C_4 alkylcarbonyl, benzoyl, benzylcarbonyl or [phenylacylcarbonyl] phenylethylcarbonyl;

said naphthyl and phenyl (b) being unsubstituted or substituted by hydroxyl, amino, C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, C_1-C_4alkoxy, nitro, cyano, carboxy, C_1-C_4 alkoxycarbonyl, C_1-C_6 alkyl, halogen, C_1-C_4 alkylthio, mercapto, C_1-C_4 alkylsulfonyl, [sulfur] sulfo, aminosulfonyl or C_1-C_4 alkyl-aminosulfonyl.

Claim ~~51~~ 52 (Once Amended) A compound of the formula



wherein R_1 is C_1-[C_{30}]~~C_2 and C_7-C_{30}~~ alkyl substituted by phenyl, said phenyl being unsubstituted or substituted by hydroxyl, amino, C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, C_1-C_4 alkoxy, cyano, carboxy, C_1-C_4 alkoxycarbonyl, C_1-C_6 alkyl or halogen.

Cancel Claim 45.

Since the dependencies of claims 10, 11, 24, 25, 27, 29, 34, 35, 26 and 38, were already changed in the amendment of June 11, 1978, the indication to again change the dependencies of these claims in the August 20, 1985 amendment is superfluous.

The instruction to change the dependency of claim 39 from 17 to 47 is rescinded. Claim 39 should depend upon claim 18 as provided for in the June 7, 1979 amendment.

CONDITIONAL PETITION FOR EXTENSION OF TIME

If any extension of time for this response is required, applicants request that this be considered a petition therefor. Please charge the required Petition fee to Deposit Account No. 02-1445.

ADDITIONAL FEE

Please charge any insufficiency of fees, or credit any excess to our Deposit Account No. 02-1445.

REMARKS

Favorable reconsideration by the Examiner is respectfully requested.